Department of Veterans Affairs
Decentralized Hospital Computer Program

MINIMAL PATIENT DATASET

(MPD)

INSTALLATION GUIDE

Version 1.0

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Information Systems Center
Albany, New York

Introduction

The Minimal Patient Dataset (MPD) software enables DHCP personnel to search for treatment dates, treatment locations, and the type(s) of care a patient has received throughout the VA healthcare system. Interactive MPD reads the data from the MPD CD-ROM through the use of a DHCP option and returns it in List Manager screen format.

The Patient Locator is an Application Programmer Interface (API) being released with MPD as an alternative to Interactive MPD. It allows users to access more current patient treatment information. MPD reads and returns data stored on a CD-ROM for a limited time period. The Patient Locator searches "live" databases (EDR and/or IPDB) for a user-specified date range and returns current patient information in an electronic mail message.

Package Initialization/Conversion Time Estimates

The following information was derived from our alpha sites. The times presented are averages. Actual times may vary, depending on system utilization. The total installation process, on average, takes an hour or less.

Step	MSM	Alpha
Pre-Installation Checklist Section	45 mins	N/A
VAMINIT	2 mins	3 mins
VAMCINIT	2 mins	N/A

Pre-Installation Checklist

*** PLEASE READ THIS MANUAL THOROUGHLY BEFORE ATTEMPTING TO INSTALL MPD V. 1.0! ***

Before attempting installation, be sure that you have received the following:

❑   4mm DAT tape which contains the MSM database to be used on the MPD Server. MPD V. 1.0, Kernel V. 7.1, VA Kernel Toolkit V. 7.2, and VA FileMan V. 20.0 are pre-installed on this tape. Before installing this tape, it is recommended that your site have the following minimum package versions running:

DHCP		CD-ROM Server	
Package Name	**Version #**	**Package Name**	**Version #**
VA Kernel Toolkit	7.2	MS-DOS (and associated CD-ROM Extensions - pre-installed)	3.0
VA List Manager	1.0	MSM - PC/PLUS w/ NET (pre-installed)	4.0
Order Entry/Results Reporting	2.5		
MailMan	7.1		
DHCP HL7	1.5		
Kernel	7.1		
VA FileMan	20.0		

❑   Diskette which contains the MPD Client software to be installed in the DHCP systems

❑   CD-ROM which contains the MPD database from which data is read by the MPD Server

Directions for Setting up CD-ROM Servers

This section provides the means of preparing the ACER system for use with the MPD Server.

*** *ONCE THIS SETUP IS COMPLETE, IT IS IMPORTANT THAT YOU DO NOT USE THIS SERVER FOR ANY OTHER PURPOSE, AS IT MAY INTERFERE WITH THE PRE-CONFIGURED SETUP!* ***

Hardware Setup Checklist

<u>Step</u>   <u>Description</u>

❑   1.   Remove all hardware from assorted packaging.

❑   2.   Connect the monitor and keyboard to the PC.
      *** DO NOT PLUG THE MONITOR INTO A POWER SOURCE. ***

❑   3.   Connect the SCSI cable between the SCSI port on the PC and the SCSI "input" port on the StorageWorks (the bottom connector). The LED can be placed on either connection.

❑   4.   Ensure that the SCSI devices (hard drive and tape drive) are inserted properly in the slots. Remove the device and reinsert it if it looks loose or is not inserted properly.

❑   5.   Attach the Ethernet cable. (THICKNET USERS, PLEASE NOTE: A software change must be made. Please refer to the "Software Setup" instructions.)

❑   6.   Connect the power cords to each component.

        ❑   StorageWorks
        ❑   Monitor
        ❑   PC

❑   7.   Turn on all components in the following order:

        ❑   1)   StorageWorks
        ❑   2)   Monitor
        ❑   3)   PC

      PLEASE NOTE: The power switch for the PC is located on the front, inside the door, on the top of the machine.

Directions for Setting up CD-ROM Servers, cont.
Hardware Setup Checklist, cont.

Step   Description

❑   8.   While booting, you should see a SCSI setup for 3 devices as follows:

   ❑   1)   Hard Drive
   ❑   2)   Tape drive (TLZ06)
   ❑   3)   CD-ROM (Toshiba 3401)

   If all three devices appear, and the machine boots properly (leaving you at the DOS prompt), please go to the "Software Setup" instructions.

❑   9.   Write down which devices show up while booting.

❑   10.   If no SCSI devices appear, disconnect and reconnect the SCSI cable. Also, verify that the StorageWorks device was powered up before the PC.

❑   11.   If one or two devices appear, remove the device from the StorageWorks (by squeezing the two sides of the device and pulling gently). The device should come out. Reinsert the device.

❑   12.   Reconnect the power cords and turn on all components.

❑   13.   If devices are still not listed, verify that the SCSI ID switches on the back of the StorageWorks are in the following positions:

LEFT	Down	Down	Down
CENTER	Up	Down	Down
RIGHT	Down	Up	Down

❑   14.   If the devices still do not work, contact your ISC for further assistance.

Directions for Setting up CD-ROM Servers, cont.
Software Setup Checklist

Step   Description

❑   1.   If you are using Thicknet (as opposed to the thin coax cable) for your Ethernet connection, you will have to modify your Ethernet card setup as follows:

     ❑   1)   Enter the \ACER\ECU directory. (**CD \ACER\ECU**)
     ❑   2)   Run the CF.EXE utility. (**CF**)
     ❑   3)   Select the entry which reads: "**RACAL - DATCOM ES3210 ETHERNET CONTROLLER**".
     ❑   4)   Select "**THICKNET**".
     ❑   5)   Exit the program. Select "**YES**" to save the current setup. The system will reboot.

❑   2.   You will now need to change the SyTos Plus backup software as follows:

     ❑   1)   Enter the \SYPLUS directory. (**CD \SYPLUS**)
     ❑   2)   Start the SyTos software. (**SYPLUS**)
     ❑   3)   Select "**RESTORE**" by highlighting, pressing <**RET**>, then pressing <**F6**>.
     ❑   4)   Go to the "**RESTORE FROM**" entry and select it.
     ❑   5)   Select the "**TLZ06**" device. (It should be the only one listed.)
     ❑   6)   Quit the software by pressing <**ESC**>, then <**F3**>. You will be asked if you want to save. Select "**YES**".

❑   3.   Go to MSM. (**CD \MSM**)
        Start MSM. (**MSM**)

❑   4.   Select the default PPS configuration as follows.

     Enter startup configuration <PPS> <**RET**>

❑   5.   Enter the manager account.

     ❑   1)   **MGR:XXX**
     ❑   2)   Verify that connections can be made to other systems.
     ❑   3)   Enter the ^DDP utility. (**D ^DDP**)
     ❑   4)   Select "**6**" for circuit management. (then press **ENTER**)
     ❑   5)   Select "**1**" for status of circuit. (followed by **ENTER**) (You should see some display of circuits.)

Directions for Setting up CD-ROM Servers, cont.
Software Setup Checklist, cont.

<u>Step</u>   <u>Description</u>

❑   6.   If no circuits appear, and you are using Thicknet, leave MSM and verify that the Ethernet card is configured to use Thicknet.

If no circuits appear, and you are using DDP Groups, use SYSGEN to subscribe the server to those groups.

❑   1)   **D ^SYSGEN**
❑   2)   Select "**3**" (**ENTER**) for edit configuration parameters.
❑   3)   Select "**15**" (**ENTER**) for DDP and LAT configuration.
❑   4)   Select "**4**" (**ENTER**) for DDP Groups.
❑   5)   Enter subscribing groups.
❑   6)   Quit MSM. (**D ^SSD**)
❑   7)   Go back to page 5 and repeat Steps 3 through 6.

❑   7.   If you can see at least one circuit, the software setup is complete.

❑   8.   If you require further assistance, please contact your ISC.

*** DO NOT USE THE MPD SYSTEM FOR ANY OTHER PURPOSE UNTIL THE MPD SOFTWARE ARRIVES. ***

Installation Checklist

Begin on the CD-ROM Server

Steps 1 through 13 must be done from the console of the CD-ROM Server.

    <u>Step</u>   <u>Description</u>

❑   1.   If currently running MSM, quit and return to DOS.

        ❑   1)   **D ^SSD**
        ❑   2)   Insert 4mm DAT tape in tape drive.
        ❑   3)   Run SyTos Plus Backup software:
                ❑   **CD \SYPLUS**
                ❑   **SYPLUS**
        ❑   4)   Restore C:\MSM\DATABASE.MSM.
                ❑   Highlight "**RESTORE**", then <**RET**>.
                ❑   Full restore <**RET**> <**F2**> <**F2**>
                      (The additional F2s are required for the "Rebuild Volume" and "Overwrite file" prompts.)
                ❑   Complete message enter <**F2**>.
        ❑   5)   Leave SyTos software by pressing <**ESC**>, then <**F3**>.
        ❑   6)   Start MSM:
                ❑   **CD \MSM**
                ❑   **MSM**
        ❑   7)   If you are using Thicknet, leave MSM and verify that the Ethernet card is configured to use Thicknet.
        ❑   8)   Enter startup configuration <PPS> <**RET**>.
        ❑   9)   Do Steps 5 and 6 from page 5, 6.

❑   2.   Insert the MPD CD-ROM into the CD-ROM player.

❑   3.   Connect to the Production UCI of the CD-ROM server.

        UCI: **VAH:XXX**

        Be sure to record the UCI and Volume Set where you are installing the server.

Begin on the CD-ROM Server, cont.

Step   Description

❏   4.   Switch to the Manager UCI.

    ❏   1)   UCI: **MGR:XXX**
    ❏   2)   Check to see if TaskMan is running. (**D ^%SS**)
    ❏   3)   If not, restart it. (**D RESTART^ZTMB**)

❏   5.   From the manager UCI, mount the database that is located on the
           CD-ROM. (See Attachment B - Sample Installation.)

           D ^DBMAINT

           Override default access: NO// <**ENTER**>
           PLEASE NOTE: When mounting the CD-ROM database, the correct
           path for your setup is D:\MPD95Q1.MSM.

❏   6.   Return to the Production UCI.

           UCI: **VAH:XXX**

❏   7.   Verify the package checksums using VAMCNTEG. (Optional)

           D ^VAMCNTEG

           Check your patch documentation if the checksums vary for any
           routines.

❏   8.   Set yourself up as the postmaster and add yourself and any other IRM
           personnel as new users. (See Attachment B - Sample Installation.)
           When creating a new user, be sure to allocate any security keys required
           for normal IRM access.

    ❏   1)   **S DUZ=.5**
    ❏   2)   **S DUZ(0)="@"**
    ❏   3)   **D ^XUP**
    ❏   4)   Follow Step 8 in Attachment B - Sample Installation.
    ❏   5)   **HALT** out of the Server.
    ❏   6)   Connect to the Production UCI of the CD-ROM server.
        UCI: **VAH:XXX**
    ❏   7)   **D ^XUP**
    ❏   8)   ACCESS: (**Enter the same access code used when
           creating the new person.**)

Begin on the CD-ROM Server, cont.

<u>Step</u>　<u>Description</u>

❑　9.　Global Placement
^VAM
This new global, which contains the files relative to transmitting data between the client and server, must be placed with the appropriate protection assigned to it before running the VAMCINIT. Full READ/WRITE/DELETE is required at all levels. This global does not need to be journaled.

　　D ^%GCH

❑　10.　Verify that DUZ, DT, DTIME, and U are defined, and that DUZ(0)="@". DUZ variable must be defined as an active user number, and DUZ(0) must equal "@" in order to initialize.

Run VAMCINIT on the server PC. (See Attachment B - Sample Installation.)

　　D ^VAMCINIT

❑　11.　Attach the [VAMC MAIN MENU] to [XUCORE] or as a secondary menu. (See Attachment B - Sample Installation.)

❑　12.　Start the server. (See Attachment B - Sample Installation.)

　　❑　1)　In the Operations Menu [VAMC OPERATIONS MENU] of the CD-ROM Server Menu [VAMC MAIN MENU], select the **Start CD-ROM Server** [VAMC START SERVER] option.
　　❑　2)　Answer "**YES**" at the "Are you sure you want to start the CD-ROM server?" prompt.

❑　13.　Delete the following routines: (Optional)

VAMCI*　　VAMCNTEG

Move to the DHCP Client

     <u>Step</u>   <u>Description</u>

❑   14.   For each Volume Set on which you will be installing the clients, repeat Steps 15 through 23 depending on your operating system.

❑   15.   Connect to the Production UCI of the DHCP system.

❑   16.   Restore the routines. (See Attachment A - MPD V. 1.0 Routines and Attachment B - Sample Installation.)

        D ^%RR

❑   17.   Verify the checksums with VAMNTEG. (Optional)

        D ^VAMNTEG

❑   18.   Set variables.

        D ^XUP
        ACCESS CODE: **Access code you are assigned.**

❑   19.   Global Placement
        ^VAM
        This new global, which contains the files relative to transmitting data between the client and server, must be placed with the appropriate protection assigned to it on the DHCP side before running the VAMINIT. Full READ/WRITE/DELETE is required at all levels. This global does not need to be journaled.
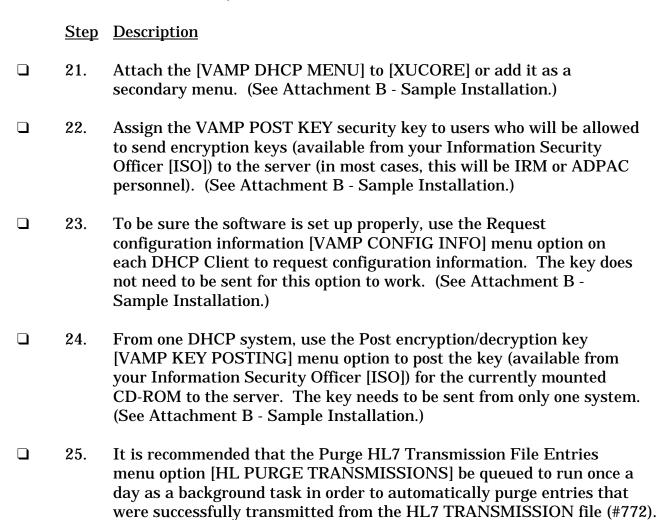
        MSM - **D ^%GCH**
        Alpha - **D^%GLOMAN**

❑   20.   Verify that DUZ, DT, DTIME, and U are defined, and that DUZ(0)="@". DUZ variable must be defined as an active user number, and DUZ(0) must equal "@" in order to initialize.

        Run the inits for the VAM Client/Interactive routines. (See Attachment B - Sample Installation.)

        D ^VAMINIT

Move to the DHCP Client, cont.

Step   Description

❑   21.   Attach the [VAMP DHCP MENU] to [XUCORE] or add it as a
secondary menu. (See Attachment B - Sample Installation.)

❑   22.   Assign the VAMP POST KEY security key to users who will be allowed
to send encryption keys (available from your Information Security
Officer [ISO]) to the server (in most cases, this will be IRM or ADPAC
personnel). (See Attachment B - Sample Installation.)

❑   23.   To be sure the software is set up properly, use the Request
configuration information [VAMP CONFIG INFO] menu option on
each DHCP Client to request configuration information. The key does
not need to be sent for this option to work. (See Attachment B -
Sample Installation.)

❑   24.   From one DHCP system, use the Post encryption/decryption key
[VAMP KEY POSTING] menu option to post the key (available from
your Information Security Officer [ISO]) for the currently mounted
CD-ROM to the server. The key needs to be sent from only one system.
(See Attachment B - Sample Installation.)

❑   25.   It is recommended that the Purge HL7 Transmission File Entries
menu option [HL PURGE TRANSMISSIONS] be queued to run once a
day as a background task in order to automatically purge entries that
were successfully transmitted from the HL7 TRANSMISSION file (#772).

Attachment A - MPD V. 1.0 Routines

Client

```
VAMAPI10   VAMAPI11   VAMCC      VAMCCKEY   VAMCXR01   VAMIN001   VAMIN002   VAMIN003
VAMIN004   VAMIN005   VAMINIS    VAMINIT    VAMINIT1   VAMINIT2   VAMINIT3   VAMINIT4
VAMINIT5   VAMNTEG    VAMPAPI0   VAMPCFG    VAMPDSP    VAMPDSP1   VAMPDSP2   VAMPDSP3
VAMPKEY    VAMPO001   VAMPONI1   VAMPONI2   VAMPONI3   VAMPONIT   VAMPPL     VAMPPOST
VAMPPST1   VAMPPST2   VAMPRC00   VAMPRC01   VAMPRC02   VAMPRC03   VAMPRC04   VAMPRC05
VAMREQ00   VAMREQ01   VAMREQ02   VAMREQ03   VAMREQ04   VAMTRN02   VAMTRN03   VAMTRN04
VAMUTL01   VAMUTL02
```

Server

```
VAMCI001   VAMCI002   VAMCI003   VAMCI004   VAMCI005   VAMCI006   VAMCI007   VAMCI008
VAMCI009   VAMCI00A   VAMCI00B   VAMCI00C   VAMCI00D   VAMCI00E   VAMCI00F   VAMCI00G
VAMCI00H   VAMCI00I   VAMCI00J   VAMCI00K   VAMCI00L   VAMCI00M   VAMCI00N   VAMCI00O
VAMCI00P   VAMCINI1   VAMCINI2   VAMCINI3   VAMCINI4   VAMCINI5   VAMCINIS   VAMCINIT
VAMCNTEG   VAMCS      VAMCS01    VAMCS02    VAMCS10    VAMCS11    VAMCS12    VAMCS13
VAMCSDP1   VAMCSDS0   VAMCSDS1   VAMCSDS2   VAMCSUO1   VAMCSUO2   VAMCSUO3   VAMCSUT1
VAMCSUT2   VAMCSUT3   VAMCSUT4   VAMCSUT5   VAMCSUT6   VAMCSUT7   VAMCSUT8   VAMPSCON
VAMPSFU1   VAMPSFU2   VAMPSFUL
```

Attachment B - MPD V. 1.0 Sample Installation

From the MGR account

>**D ^DBMAINT**   *(Step 5 in the Installation Checklist)*

```
        MSM - Database Maintenance Utility

Select Database Maintenance Option:

    1 - Create a Database Volume
    2 - Reinitialize a Mounted Volume
    3 - Display Mounted Volume Groups
    4 - Mount a Volume Group
    5 - Unmount a Volume Group
    6 - Expand a Database Volume
    7 - Rename a Volume Group
    8 - Mount a Remote Volume Group
    9 - Edit Volume Group Characteristics
   10 - Before-Image Journal Functions
   11 - On-Line Backup Functions

Select Option: 4 - Mount a Volume Group

Enter host file name for volume group: D:\MPD95Q1.MSM
Mounting.

Override default access <N>: <RET>
Mount done.

Select Database Maintenance Option:

    1 - Create a Database Volume
    2 - Reinitialize a Mounted Volume
    3 - Display Mounted Volume Groups
    4 - Mount a Volume Group
    5 - Unmount a Volume Group
    6 - Expand a Database Volume
    7 - Rename a Volume Group
    8 - Mount a Remote Volume Group
    9 - Edit Volume Group Characteristics
   10 - Before-Image Journal Functions
   11 - OnLine Backup Functions

Select Option: <RET>
>
```

```
> S DUZ=.5                    (Step 8 in the Installation Checklist)
> S DUZ(0)="@"
> D ^XUP

Setting up programmer environment
Terminal Type set to: C-VT100
Select OPTION NAME: ADD A NEW USER  TO THE SYSTEM  XUSERNEW        Add a New
User to the System
Add a New User to the System
Enter NEW PERSON's name (LAST,FIRST MI): PERSON,IRM T (Enter your real name
here)
ARE YOU ADDING 'PERSON,IRM T' AS A NEW NEW PERSON (THE 8TH)? Y
Checking SOUNDEX for matches.
No matches found.
Now for the Identifiers.
INITIAL: IP
SSN: 111111111
SEX: <RET>
NICK NAME: <RET>
TITLE: <RET>
SSN: 111111111//<RET>
Select DIVISION:<RET>
SERVICE/SECTION: IRM
MAIL CODE: <RET>
Want to edit ACCESS CODE (Y/N): Y
Enter a new ACCESS CODE <Hidden>: (Enter the access code you want to use.)
Please re-type the new code to show that I have it right: (Reenter new code.)
OK, Access code has been changed!
The VERIFY CODE has been deleted as a security measure.
The user will have to enter a new one the next time they sign-on.
OK, Verify code has been changed!

Want to edit VERIFY CODE (Y/N): Y
Enter a new VERIFY CODE: (Enter the verify code you want to use.)
Please re-type the new code to show that I have it right: (Reenter new code.)

OK, Verify code has been changed!

FILE MANAGER ACCESS CODE: #
PRIMARY MENU OPTION: <RET>

Print User Account Access Letter? NO
Do you wish to allocate security keys? NO// <RET>  (NO)   (Include any security keys
>HALT                                                       required for normal
                                                            IRM access)
```

From VAH

>**D ^%GCH**

             MSM - Global Characteristics Utility

Global selector: **^VAM** does not exist....
Do you want to create global ^VAM <Y>: **Y**
Global created

Select OPTION

     1   Collating Sequence
     2   Global Growth
     3   Protection
     4   Journaling
     5   Allow/Prevent KILL

Enter option for ^VAM: **3** Protection

Default Status --> System = RWD   World = NONE   Group = NONE   User = RWD

Select PROTECTION STATUS

     1   N   - None
     2   R   - Read
     3   RW - Read/Write
     4   RWD - Read/Write/Delete

Enter protection for ^VAM: **4** RWD - Read/Write/Delete

Select CLASS

     1   System
     2   World
     3   Group
     4   User

Enter class for ^VAM: **2** World

    New Status --> System = RWD   World = RWD   Group = NONE   User = RWD

Select OPTION

     1   Collating Sequence
     2   Global Growth
     3   Protection
     4   Journaling
     5   Allow/Prevent KILL

Enter option for ^VAM: **3** Protection

Default Status --> System = RWD   World = RWD   Group = RWD   User = RWD

```
Select PROTECTION STATUS

     1    N   - None
     2    R   - Read
     3    RW  - Read/Write
     4    RWD - Read/Write/Delete

Enter protection for ^VAM: 4  RWD - Read/Write/Delete

Select CLASS

     1    System
     2    World
     3    Group
     4    User

Enter class for ^VAM: 3   Group

    New Status --> System = RWD   World = RWD   Group = RWD   User = RWD

Select OPTION

     1    Collating Sequence
     2    Global Growth
     3    Protection
     4    Journaling
     5    Allow/Prevent KILL

Enter option for ^VAM: 3   Protection

Default Status --> System = RWD   World = RWD   Group = RWD   User = RWD

Select PROTECTION STATUS

     1    N   - None
     2    R   - Read
     3    RW  - Read/Write
     4    RWD - Read/Write/Delete

Enter protection for ^VAM: 4  RWD - Read/Write/Delete

Select CLASS

     1    System
     2    World
     3    Group
     4    User

Enter class for ^VAM: <ENTER>

Default Status --> System = RWD   World = RWD   Group = RWD   User = RWD
```

```
Select PROTECTION STATUS

        1     N   - None
        2     R   - Read
        3     RW  - Read/Write
        4     RWD - Read/Write/Delete


Enter protection for ^VAM: <ENTER>


Select OPTION

        1     Collating Sequence
        2     Global Growth
        3     Protection
        4     Journaling
        5     Allow/Prevent KILL


Enter option for ^VAM: <ENTER>


Global selector: ^ <ENTER>
>
```


>D ^VAMCINIT   *(Step 10 in the Installation Checklist)*

```
This version (#1.0) of 'VAMCINIT' was created on 06-APR-1995
         (at ALBANY ISC VAX/KER, by VA FileMan V.20.0)


I AM GOING TO SET UP THE FOLLOWING FILES:

   394.92    VAM - MPD CARE CODES  (including data)
I will OVERWRITE your data with mine.

   394.94    VAM - CONTROLLER  (including data)
I will OVERWRITE your data with mine.

   394.95    VAM - CD-ROM  (including data)
I will OVERWRITE your data with mine.

   394.96    VAM - SEARCH SCHEME  (including data)
I will OVERWRITE your data with mine.

   394.97    VAM - LOCATION  (including data)
I will OVERWRITE your data with mine.

   394.98    VAM - REQUEST  (including data)
I will OVERWRITE your data with mine.

NOTE:  This package also contains SORT TEMPLATES

NOTE:  This package also contains INPUT TEMPLATES

NOTE:  This package also contains PRINT TEMPLATES

NOTE:  This package also contains FUNCTIONS

NOTE:  This package also contains OPTIONS
```

```
ARE YOU SURE EVERYTHING'S OK? NO// Y   (YES)

...HMMM, JUST A MOMENT PLEASE...................................................
...........
'VAMC ABORT REQUEST' Option Filed
'VAMC ALL SCHEME STATS' Option Filed
'VAMC CDROM LOCATION EDIT' Option Filed
'VAMC CONFIGURATION MENU' Option Filed
'VAMC LOCATION EDIT' Option Filed
'VAMC MAIN MENU' Option Filed
'VAMC OPERATIONS MENU' Option Filed
'VAMC PRINT CDROMS' Option Filed
'VAMC RESET SINGLE SCHEME STATS' Option Filed
'VAMC SINGLE SCHEME STATS' Option Filed
'VAMC START SERVER' Option Filed
'VAMC STATISTICS MENU' Option Filed
'VAMC STATUS' Option Filed
'VAMC STOP SERVER' Option Filed.
OK, I'M DONE.
NOTE THAT SECURITY-CODE PROTECTION HAS BEEN MADE
```

>D ^XUP   *(Step 11 in the Installation Checklist)*

```
Setting up programmer environment
Terminal Type set to: C-VT320
Select OPTION NAME: EVE          Systems Manager Menu

 Select Systems Manager Menu Option: MENU Management


          Edit options
          Inquire
          Key Management ...
          Secure Menu Delegation ...
          Restrict Availability of Options
          Option Access By User
          Print Option File
          List Options by Parents and Use
          Build Primary Menu Trees
          Fix Option File Pointers
          Help Processor ...
          List Users with selected menu option
          Menu Diagrams ...

Select Menu Management Option: EDIT options

Select OPTION to edit: XUCORE          Core Applications
NAME: XUCORE// <RET>
MENU TEXT: Core Applications// <RET>
Short Menu Text: <RET>
PACKAGE: <RET>
OUT OF ORDER MESSAGE: <RET>
LOCK: <RET>
REVERSE/NEGATIVE LOCK: <RET>
```

```
DESCRIPTION:
  1>This menu will branch to each of the CORE application packages.
EDIT Option: <RET>
TYPE: menu// <RET>
HEADER: <RET>
ENTRY ACTION: <RET>
EXIT ACTION: <RET>

Select ITEM: VAMC MAIN MENU            CD-ROM Server Menu
  ARE YOU ADDING 'VAMC MAIN MENU' AS A NEW MENU (THE [#] FOR THIS OPTION)? Y
  (YES)
   MENU SYNONYM: VAM        (You can give the synonym whatever name you like.)
  SYNONYM: VAM// <RET>
  DISPLAY ORDER: <RET>
Select ITEM: <RET>
CREATOR: POSTMASTER// <RET>
HELP FRAME: <RET>

Select OPTION to edit: <RET>


           Edit options
           Inquire
           Key Management ...
           Secure Menu Delegation ...
           Restrict Availability of Options
           Option Access By User
           Print Option File
           List Options by Parents and Use
           Build Primary Menu Trees
           Fix Option File Pointers
           Help Processor ...
           List Users with selected menu option
           Menu Diagrams ...

Select Menu Management Option: <RET>


           Core Applications ...
           Device Handler ...
   FM      VA FileMan ...
           Manage MailMan ...
           Menu Management ...
           Programmer Options ...
           Operations Management ...
           Spool Management ...
           System Security ...
           Task Manager ...
           User Edit ...
           Application Utilities ...
           Capacity Management ...

Select Systems Manager Menu Option: CORE Applications
```

```
    VAM     CD-ROM Server Menu ...          (Step 12 in the Installation Checklist)

Select Core Applications Option: VAM  CD-ROM Server Menu
    1         Operations Menu ...
    2         Configuration Menu ...
    3         Statistics Menu ...


Select CD-ROM Server Menu Option: 1  Operations Menu
    1         Status of CD-ROM Server
    2         Start CD-ROM Server
    3         Stop CD-ROM Server
    4         Abort request currently being served


Select Operations Menu Option: 2  Start CD-ROM Server


Current status of CD-ROM Server
-----------------------------
CD-ROM Server running ... No
Date/time stopped ....... 01-03-1995 at 1:32 PM
  Reason -> CD-ROM Server has been stopped


Are you sure you want to start the CD-ROM Server ? YES// <RET>

Please wait while CD-ROM Server is queued
CD-ROM Server successfully queued as task number 1234
Task requested to start on 01-03-1995 at 1:32 PM


#####################################################
## Remember to post encryption/decryption key from ##
##  DHCP system using the 'VAMP POST KEY' OPTION    ##
#####################################################


Press <RETURN> or <ENTER> to continue ... <RET>


    1         Status of CD-ROM Server
    2         Start CD-ROM Server
    3         Stop CD-ROM Server
    4         Abort request currently being served

Select Operations Menu Option:
```

On each DHCP client in the production Volume Set: *(Step 16 in the Installation Checklist)*

```
>D ^%RR


                        MSM - Routine Restore Utility


Enter input device <HFS>: <RET>  Host File Server
File Name >: A:\MPDC1_0.RTN
Routine(s) saved at
Header comment is: MPD CLIENT VERSION 1.0
Selective Restore? (allows rename) <N>: <RET>
Restoring...


VAMAPI10  VAMAPI11  VAMCC     VAMCCKEY  VAMCXR01  VAMIN001  VAMIN002  VAMIN003
VAMIN004  VAMIN005  VAMINIS   VAMINIT   VAMINIT1  VAMINIT2  VAMINIT3  VAMINIT4
VAMINIT5  VAMNTEG   VAMPAPI0  VAMPCFG   VAMPDSP   VAMPDSP1  VAMPDSP2  VAMPDSP3
VAMPKEY   VAMPO001  VAMPONI1  VAMPONI2  VAMPONI3  VAMPONIT  VAMPPL    VAMPPOST
VAMPPST1  VAMPPST2  VAMPRC00  VAMPRC01  VAMPRC02  VAMPRC03  VAMPRC04  VAMPRC05
VAMREQ00  VAMREQ01  VAMREQ02  VAMREQ03  VAMREQ04  VAMTRN02  VAMTRN03  VAMTRN04
VAMUTL01  VAMUTL02

50 Routines restored.


>D ^VAMINIT         (Step 20 in the Installation Checklist)


This version (#1.0) of 'VAMINIT' was created on 06-APR-1995
        (at PDX DEVELOPMENT (PRIMARY), by VA FileMan V.20.0)


I AM GOING TO SET UP THE FOLLOWING FILES:

   394.91    VAM - PATIENT LOCATOR CONTROL

   394.99    VAM - PARAMETER

NOTE:  This package also contains SECURITY KEYS

NOTE:  This package also contains OPTIONS

ARE YOU SURE EVERYTHING'S OK? NO// Y  (YES)


...EXCUSE ME, THIS MAY TAKE A FEW MOMENTS.................
'VAMP CONFIG INFO' Option Filed
'VAMP DHCP MENU' Option Filed
'VAMP KEY POSTING' Option Filed
'VAMP MPD INTERACTIVE SEARCH' Option Filed
'VAMP PATIENT LOCATOR' Option Filed.
NOTE THAT FILE SECURITY-CODE PROTECTION HAS BEEN MADE
Creating initial entry in VAM - PARAMETER file ... done


Please enter information concerning CD-ROM Server

SERVER UCI: VAH// <RET>         (Enter the UCI and Volume Set for
SERVER VOLUME SET: PPS// <RET>  the MPD server.)
```

```
This version of 'VAMPONIT' was created on 03-JAN-1995
        (at PDX DEVELOPMENT (PRIMARY), by OE/RR V. 2.5)

    PROTOCOL INSTALLATION

...OK, this may take a while, hold on please......
'VALM EXPAND' Protocol Filed
  VALM Expand' added as item to VAMP DISPLAY SSN (MENU).
'VAMP CHECK RESULTS (ACTION)' Protocol Filed
  VAMP CHECK RESULTS (ACTION)' added as item to VAMP DISPLAY SSN (MENU).
'VAMP DISPLAY SSN (MENU)' Protocol Filed
OK, Protocol Installation is Complete.

'VAMP DISPLAY MATCHES' List Template...Filed.
'VAMP DISPLAY SSN' List Template...Filed.
'VAMP DISPLAY VISITS' List Template...Filed.

>>> Adding EDR-PL MESSAGES mail group for network transmissions...

>>> Adding IPDB-PL MESSAGES mail group for network transmissions...

>>>CHECKING for Version 2.2 in HL7 VERSION SUPPORTED file (#771.5)
  Version 2.2 added to file

>>>CHECKING for 'ADR' entry in HL7 MESSAGE TYPE file (#771.2)
  'ADR' message type added to file

>>> CHECKING required PL segments to HL7 SEGMENT NAME file (#771.3)...
    PV2 (Patient Visit [additional]) segment added
    ZEL (VA-specific Pat Eligibility) segment added

>>> Adding HL7 DHCP APPLICATION PARAMETER file entry for MPD...

>>> Adding HL7 NON-DHCP APPLICATION entry for MPD...

>>> Adding HL7 NON-DHCP APPLICATION entry for MPD...

Post-init completed.
```

>D ^XUP   *(Step 21 in the Installation Checklist)*

```
Setting up programmer environment
Access Code:
Terminal Type set to: C-VT100

Select OPTION NAME: EVE          Systems Manager Menu
```

```
            Core applications drivers ...
            Device Handler ...
    FM      VA FileMan ...
            Manage MailMan ...
            Menu Management ...
            Operations Management ...
            Spool Management ...
            System Security ...
            Task Manager ...
            User Edit ...
            Application Utilities ...
            Capacity Management ...

Select Systems Manager Menu Option: MENU Management

            Edit options
            Inquire
            Key Management ...
            Secure Menu Delegation ...
            Restrict Availability of Options
            Option Access By User
            Print Option File
            List Options by Parents and Use
            Build Primary Menu Trees
            Fix Option File Pointers
            Help Processor ...
            List Users with selected menu option
            Menu Diagrams ...

Select Menu Management Option: EDIT options

Select OPTION to edit: XUCORE           Core applications drivers
NAME: XUCORE// <RET>
MENU TEXT: Core applications drivers  Replace <RET>
Short Menu Text: <RET>
PACKAGE: <RET>
OUT OF ORDER MESSAGE: <RET>
LOCK: <RET>
REVERSE/NEGATIVE LOCK: <RET>
DESCRIPTION:
  1>This menu will branch to each of the CORE applications packages.
EDIT Option: <RET>
TYPE: menu// <RET>
HEADER: <RET>
ENTRY ACTION: <RET>
EXIT ACTION: <RET>

Select ITEM: DVBA MEDICAL ADM 7131 MENU// VAMP DHCP MENU         Main MPD Menu
  ARE YOU ADDING 'VAMP DHCP MENU' AS A NEW MENU (THE [#] FOR THIS OPTION)? Y
  (YES)
   MENU SYNONYM: VAM
  SYNONYM: VAM// <RET>
  DISPLAY ORDER: <RET>
```

```
Select ITEM: ^

          Edit options
          Inquire
          Key Management ...
          Secure Menu Delegation ...
          Restrict Availability of Options
          Option Access By User
          Print Option File
          List Options by Parents and Use
          Build Primary Menu Trees
          Fix Option File Pointers
          Help Processor ...
          List Users with selected menu option
          Menu Diagrams ...

Select Menu Management Option: KEY Management
```
                                                  (Step 22 in the Installation Checklist)
```
          Allocation of Security Keys
          De-allocation of Security Keys
          Enter/Edit of Security Keys
          All keys a user needs
          Change user's allocated keys to delegated keys
          Delegate keys
          Keys for a given menu tree
          List users holding a certain key
          Remove delegated keys
          Show the keys of a particular user

Select Key Management Option: ALLOCATION of Security Keys

Allocate key: VAMP POST KEY

Another key: <RET>

Holder of key: Enter name of MPD User here.

Another holder: <RET>
You've selected the following keys:

VAMP POST KEY

You've selected the following holders:

(The name of the MPD user you entered will be displayed here.)

You are allocating keys.  Do you wish to proceed? YES// <RET> YES


VAMP POST KEY being assigned to:

(The name of the MPD user you entered will be displayed here.)
```

```
        Allocation of Security Keys
        De-allocation of Security Keys
        Enter/Edit of Security Keys
        All keys a user needs
        Change user's allocated keys to delegated keys
        Delegate keys
        Keys for a given menu tree
        List users holding a certain key
        Remove delegated keys
        Show the keys of a particular user

Select Key Management Option: <RET>


Select Menu Management Option: <RET>

        Core applications drivers ...
        Device Handler ...
   FM   VA FileMan ...
        Manage MailMan ...
        Menu Management ...
        Operations Management ...
        Spool Management ...
        System Security ...
        Task Manager ...
        User Edit ...
        Application Utilities ...
        Capacity Management ...


Select Systems Manager Menu Option: Core applications drivers ...


Select OPTION NAME: VAM            Main MPD Menu

    1       Interactive MPD
    2       Request configuration information
    3       Post encryption/decryption key
    4       Patient Locator
```

Select Main MPD Menu Option: **2**   Request configuration information
Requesting information...
Waiting for results ....   *(Step 23 in the Installation Checklist)*

```
Configuration information
------------------------
```

```
Database comments:                  This is a Minimal Patient Data Base which
                                    will work with MPD V. 1.0
Starting date:                      1/1/94
Date range of CD:                   1/1/94 - 12/31/94
Number of unique records:           24137394
Number of unique patients:          2417394
Total inpatient visits:             960000
Total outpatient visits:            24394510
Average visits per SSN:             1.3
Average visits per unique patient:  5
```

Press <RETURN> or <ENTER> to continue ... **<RET>**

```
    1       Interactive MPD
    2       Request configuration information
    3       Post encryption/decryption key
    4       Patient Locator
```

Select Main MPD Menu Option: **3** Post encryption/decryption key

Please enter new key value : **Enter the CD-ROM-specific key value.**

Please wait while key is posted
Key successfully posted

(Step 24 in the Installation Checklist)

NOTE: When posting this key, you must enter at least 8, and no more than 9, characters. Entering the ninth character, which is a checksum digit, ensures that the other eight characters are correct. Each CD-ROM has a unique key value, which is available from your Information Security Officer (ISO). The encryption/decryption key is not a Kernel security key.